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ABSTRACT

A study was conducted at Moraine Valley Community College (MVCC) to determine the characteristics of individuals who had taken courses through the college's Non-Traditional Learning (NTL) sub-division. The records of students who had taken specified NTL courses during spring 1981, fall 1981 or spring 1982 were retrieved and analyzed. Study findings, based on the examination of 1,259 student records, included the following: (1) 25% of the students were between the ages of 19 and 21, and 18.8% were between 22 and 24 years of age; (2) 62.8% of the students were single, 59% were female, 95% were Caucasian, and 97% lived in the MVCC district; (3) the overall non-completion rate for NTL courses was 19% and the overall mean grade was 3.22; (4) the overall completion rate for NTL courses was higher than that for non-NTL courses (19% vs. 12%); (5) over 52% of former NTL students earned less than 6 credit hours, 21% earned between 6 and 8.99 credit hours, and 21% earned between 9 and 14.99 credit hours in their most recent semester at MVCC; and (6) 35.8% of all courses taken by former NTL students in their most recent semester were in non-credit community education courses, 31.2% were in baccalaureate courses, and 24.8% were in occupational career courses. Tables providing detailed study results comprise the bulk of the report. (HB)

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Office of Institutional Research
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Research Note

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Date: November 1982

Re: Non-Traditional Learning Study

Introduction

In order to obtain a description of those individuals who have taken courses through the Non-Traditional Learning subdivision, an examination of student records was performed. The records of students who had taken specified NTL courses* during the Spring 1981, Fall 1981, or Spring 1982 semesters were retrieved and investigated. In total, 1,259 students are represented in this study.

Background Characteristics

Table 1 presents the age distribution of former NTL students by their sex. One-fourth of the students were between the ages of 19 and 21, and 18.8% were between 22 and 24 years of age. Clearly, a substantial proportion of those who took NTL courses were young adults. In fact, 69.5% of the students studied were 30 years old or younger. See Table 1.

Figure 1 demonstrates some demographic characteristics of NTL students. Over 59% of those who took NTL courses between Spring 1981 and Spring 1982 were female; 40.7% were male. Of those who specified their marital status, 62.8% were single, 36.8% were married, and .4% were divorced. An overwhelming proportion of the students were Caucasian (95.3%); less than 5% specified a different ethnicity. In addition, almost 97% stated that they lived within MVCC's district. About 3% stated that they were out-of-district students and .4% said they were out-of-state or foreign students.

The communities from which NTL students came are presented in Table 2. Oak Lawn had the greatest number of NTL students (193 or 15.3%), followed by Palos Hills and Orland Park. Three percent of those who took NTL courses were from out-of-district communities which included: Burr Ridge, Chicago, Countryside, Darien, Lansing, Lemont, Lisle, Lyons, Minooka, Mokena, Monee, Romeoville, Streamwood, and Villa Park. See Table 2.

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* NTL courses included in this study were: ART 101, ART 115, BUS 100, BUS 105, BUS 120, BUS 130, BUS 133, BUS 136, BUS 142, BUS 230, BUS 231, BUS 232, COM 101, COM 102, COM 111, COM 112, COM 115, DPR 101, ECO 101, HIS 197, HIS 201, HIS 202, HUM 100, HUM 101, HUM 103, LIT 214, LIT 280, LIT 299, MTH 110, MTH 114, PHI 101, PHI 120, PHS 105, PSY 101, PSY 105, SOC 101, SOC 102, SOC 194, SSC 100, and SSC 102.

Table 1

Age by Sex of NTL Students
(N=1,242)

	Female N	Male N	Total N	Total %
16-18	8	2	10	0.8%
19-21	161	150	311	25.0
22-24	133	101	234	18.8
25-27	93	77	170	13.7
28-30	86	53	139	11.2
31-33	67	46	113	9.1
34-36	51	22	73	5.9
37-46	91	40	131	10.5
47-54	32	9	41	3.3
55-59	7	2	9	0.7
60-64	4	1	5	0.4
65+	3	3	6	0.5
TOTAL	736 (59.3% female)	506 (40.7% male)	1,242	100.0%

Table 2

Communities of NTL Students
(N=1,259)

Community	N	%
Alsip	62	4.9%
Argo/Bedford Park/Summit	20	1.6
Blue Island	43	3.4
Bridgeview	53	4.2
Burbank	78	6.2

Table 2--Continued

Community	N	%
Calumet Park	9	.7%
Chicago Ridge	64	5.1
Crestwood/Midlothian	53	4.2
Evergreen Park	51	4.1
Hickory Hills	50	4.0
Hometown	13	1.0
Justice	43	3.4
Merrionette Park	13	1.0
Oak Forest	25	2.0
Oak Lawn	193	15.3
Orland Park	102	8.1
Palos Heights	59	4.7
Palos Hills	104	8.3
Palos Park	32	2.5
Robbins	14	1.1
Westhaven	72	5.7
Willow Springs	12	1.0
Worth	56	4.4
Other	38	3.0
TOTAL	1,259	100.0%

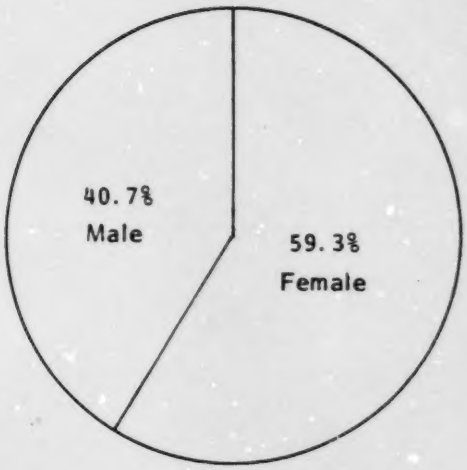
Table 3 displays the grades received by students who enrolled in NTL courses during the Spring 1981, Fall 1981 or Spring 1982 semesters. The highest enrollments were for BUS 100 (101 students), BUS 231 (80 students) and PSY 101 (70 students). Closing records show that the most successful courses, that is, those that had the lowest rates of non-completion were: BUS 133, BUS 230, COM 115, HUM 100, ART 115, HUM 103, BUS 232, COM 112, HIS 202 and SOC 102. In these courses the percentage of students who did not receive a passing grade of A through D ranged from 0% to 8%. The highest rates of non-completion were for LIT 214 (42%), PHI 120 (42%) and ECO 101 (38%). The overall non-completion rate for NTL courses was 19%.

The average grades received in the NTL courses ranged from 2.62 in HIS 202 to 4.00 in COM 115. For the most part, the average grade received was "B." In fact, the overall mean grade for all courses was 3.22. Business courses accounted for the largest type of course offered through NTL, followed by Communications courses.

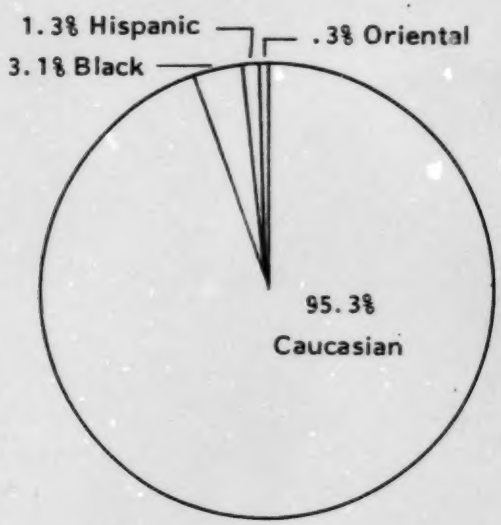
Figure 1

DEMOGRAPHIC CHARACTERISTICS OF NTL STUDENTS

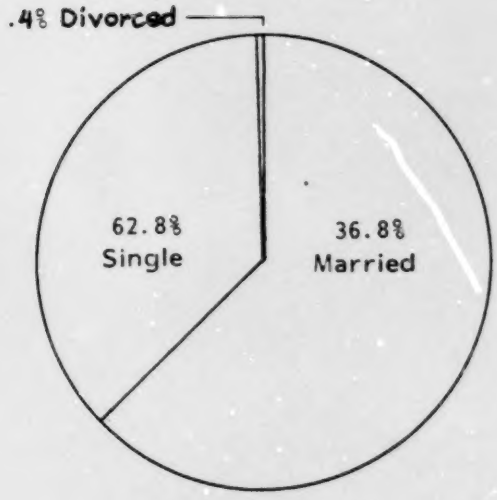
SEX



ETHNICITY



MARITAL STATUS



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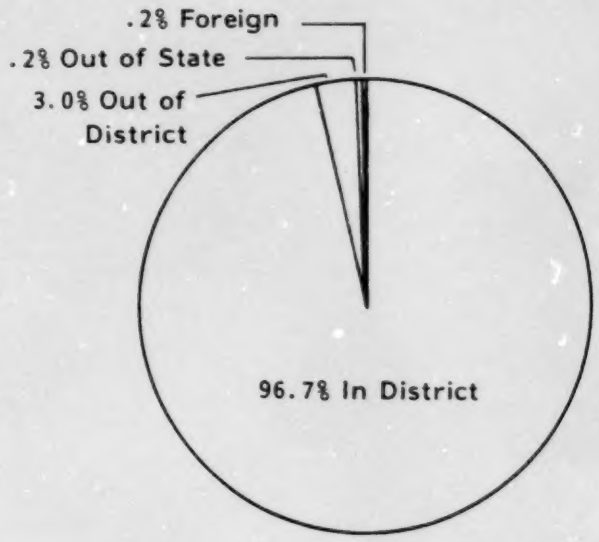

Table 4 presents grade distributions for the identical courses shown in Table 3, but for non-NTL students. Non-completion rates for these courses ranged from 0 to 21%; the overall average rate was 12%. With regard to the average grade received, these ranged from 2.33 for COM 115 to 3.32 for BUS 230. The overall average grade was 2.92. See Table 4.

Comparisons of NTL and non-NTL outcomes for the same courses provide interesting information. The overall average grades received in the same courses taken through NTL or in the traditional manner varied ($\bar{X}$=3.22 for NTL, $\bar{X}$=2.92 for non-NTL). A multi-variante analysis of the variance among the average grades received in NTL and non-NTL courses revealed that there was a statistically significant difference between types of courses (NTL and non-NTL) regarding the average grades received. In addition, there was a statistically significant difference with regard to the average grades in the specific courses themselves (ART 101, BUS 100, etc.). This means that the differences in the average grades by type and specific course did not occur by chance. A statistical comparison of the non-completion rates of NTL and non-NTL courses was not possible, but it should be noted that the overall completion rate in non-NTL courses was smaller than the rate for NTL courses (12% vs 19%).

Recent Scholastic Records

The types of courses that former NTL students took in their most recent semester at MVCC are illustrated in Table 5. Non-credit community education courses accounted for 35.8% of all types of courses taken, followed by baccalaureate (transfer) courses which claimed 31.2% of all courses taken. Occupational/career courses also accounted for a substantial proportion of the courses taken by the NTL students (24.8%). Remedial/developmental, general studies, vocational skills, adult basic education, and adult secondary education courses made up 8.2% of the courses taken during the students' most recent semester at MVCC. See Table 5.

Table 3

Grades of NTL Students, Spring and Fall 81 and Spring 82

Course Title		Grade A	B	C	D	X	Average Grade	Non-Comple
ART101	Freehand Draw	9	14	2	2	6	3.11	18
ART115	Ceramics	15	9	0	1	1	3.52	4
BUS100	Intro tBusines	36	21	16	7	21	3.08	21
BUS105	Small BMgmt	6	7	2	2	6	3.00	26
BUS120	BusinesMath	11	6	7	0	7	3.17	23
BUS130	Prin ofMarketi	9	4	2	0	4	3.47	21
BUS133	Salesmanship	12	6	1	0	0	3.58	0
BUS136	Business Law	15	21	7	1	8	3.14	15
BUS142	Intro to Acctg	9	8	11	2	12	2.80	29
BUS230	Advertising	6	3	2	0	0	3.36	0
BUS231	Prin ofAcctng	58	6	3	0	13	3.82	16
BUS232	Personnel Mgmt	7	4	2	0	1	3.38	7
COM101	Composition I	7	9	4	0	5	3.15	20
COM102	Composition II	9	12	4	1	14	3.12	35
COM111	Tech Com I	24	11	4	4	15	3.28	26
COM112	Tech Com II	21	21	4	1	4	3.32	8
COM115	Broadcasting	3	0	0	0	0	4.00	0
ECO101	Prin ofMacEcon	11	17	3	0	19	3.26	38
HIS201	Amer History I	6	12	4	0	5	3.09	19
HIS202	Amer History II	3	3	6	1	1	2.62	7
HUM100	Modern Media	3	3	0	0	0	3.50	0
HUM101	Int to Hum I	10	12	9	1	5	2.97	14
HUM103	Contempo Arts	9	9	6	2	1	2.96	4
LIT214	Amer Lit I	7	2	2	0	8	3.45	42
MTH110	Fund ofMath	18	12	5	6	10	3.02	20
MTH114	Int Algebra	11	7	8	4	4	2.83	12
PHI101	Intro to Philo	18	11	3	0	14	3.47	30
PHI120	World Religio	6	1	4	0	8	3.18	42
PSY101	Intro to Psych	41	8	13	1	7	3.41	10
PSY105	Human Gro & De	14	14	8	2	5	3.05	12
SOC101	Gen Sociology	9	6	3	2	4	3.10	17
SOC102	Marriage & Fam	12	8	5	1	2	3.19	7
TOTAL		435	287	150	41	210	3.22	19

Table 4

Grades of Non-NTL Students, Spring and Fall 81 and Spring 82

Course	Title	Grade A	B	C	D	X	Average GRADE	Non-COMPLE
ART101	Freehand Draw	125	141	59	21	42	3.07	11
ART115	Ceramics	19	23	1	0	9	3.42	17
BUS100	Intro tBusines	414	342	233	76	154	3.03	13
BUS105	Small BMgmt	44	34	26	3	6	3.11	5
BUS120	BusinesMath	362	198	147	50	145	3.15	16
BUS130	Prin ofMarketi	178	89	49	18	33	3.28	9
BUS133	Salemanship	54	47	26	6	10	3.12	7
BUS136	Business Law	311	273	204	28	122	3.06	13
BUS142	Intro to Acctg	389	434	438	132	365	2.78	21
BUS230	Advertising	80	53	23	3	8	3.32	5
BUS231	Prin ofAcctng	242	192	99	28	25	3.16	4
BUS232	Personnel Mgmt	83	57	25	7	21	3.26	11
COM101	Composition I	560	904	531	135	418	2.89	16
COM102	Composition II	489	704	524	115	128	2.86	7
COM111	Tech Com I	259	312	172	43	164	3.00	17
COM112	Tech Com II	103	139	50	8	32	3.12	10
COM115	Broadcasting	1	2	1	2	0	2.33	0
ECO101	Prin ofMacEcon	89	182	187	57	75	2.59	13
HIS201	Amer History I	100	92	102	25	51	2.84	14
HIS202	Amer History II	42	41	26	4	15	3.07	12
HUM100	Modern Media	5	6	2	1	1	3.07	7
HUM101	Int to Hum I	418	431	316	120	125	2.89	9
HUM103	Contempo Arts	3	3	1	1	0	3.00	0
LIT214	Amer Lit I	43	55	35	10	11	2.92	7
MTH110	Fund ofMath	623	558	494	206	369	2.85	16
MTH114	Int Algebra	386	356	357	168	271	2.76	18
PHI101	Intro to Philo	207	284	225	11	74	2.94	9
PHI120	World Religio	55	82	27	4	15	3.12	8
PSY101	Intro to Psych	558	574	527	234	208	2.77	10
PSY105	Human Gro & De	518	402	231	87	104	3.09	8
SOC101	Gen Sociology	386	479	401	109	104	2.83	7
SOC102	Marriage & Fam	247	273	161	29	27	3.04	4
TOTAL		7393	7762	5700	1741	3132	2.92	12

Table 5

Types of Courses Taken by NTL Students
(N=1,177)*

Type of Course	Number of Mentions	Percentage of 5,720 Responses
Baccalaureate	1,783	31.2%
Occupational/Career	1,419	24.8
Community Education (non-credit)	2,048	35.8
Remedial/Developmental	356	6.2
General Studies	76	1.3
Vocational Skills	11	.2
Adult Basic Education	16	.3
Adult Secondary Education	11	.2
TOTAL	5,720	100.0%

* Note: 1,177 NTL students took a total of 5,720 various courses during their most recent semester at MVCC.

The total number of credit hours attempted by the former NTL students during their most recent semester at MVCC was 8,023. However, they earned 3,117.5 total credit hours, which means that 39% of the hours attempted were actually earned. It appears that a substantial amount of courses were not completed by these students.

Table 6 displays the number of credit hours earned by the former NTL students during their most recent semester at MVCC. Over 52% of the students earned less than six credit hours; almost 21% earned between six and 8.99 credit hours. Twenty-one percent of the students earned between nine and 14.99 credit hours and 5.6% earned 15 hours or more. The average number of credit hours earned during the most recent semester attended was six. From this data it appears that most former NTL students attended on a part-time basis. See Table 6.

Table 6

Credit Hours Earned by NTL Students
During Their Most Recent Semester
(N=506)

Credit Hours	N	%
Less than 3.00	22	4.4%
3.00 to 5.99	244	48.2
6.00 to 8.99	105	20.8
9.00 to 11.99	58	11.4
12.00 to 14.99	49	9.6
15.00 to 17.99	20	4.0
18.00 to 20.99	5	1.0
21.00 or more	3	.6
TOTAL	506	100.0%

$\bar{X}$ = 6 credit hours earned.

A final consideration in this study of former NTL students was their most recent grade point average. The average grade point average for the students was 3.1 (A = 4, B = 3, C = 2, D = 1). This grade point average excludes incomplete, failure, audit, no-show, and withdrawn classes. It is based upon baccalaureate, occupational/career, and remedial/developmental course completion.

Concluding Remarks

Appendix A displays the history of opening enrollments for Spring 1981, Fall 1981 and Spring 1982 NTL courses. Seventy courses were offered through NTL during Spring 1981; ten of these were withdrawn, eight were temporarily cancelled and there was no specific opening enrollment information for 18 of them. For Fall of 1981, 51 NTL courses were offered. Over 39% (20 courses) of the classes initially offered during that semester were withdrawn and there was no information on two of them. Finally, Spring 1982 NTL offerings totaled 59. Eight (13.6%) NTL offerings were withdrawn and opening enrollment information was unavailble for 12 other courses.

The information presented provides a description of NTL students, their academic records and comparisons with non-NTL students. It is hopeful that such data will be useful in administrative decision-making.

EMS/jt

Appendix A

NTL History

Baccalaureate/Occupational

Course	Title	Opening
Spring 1981		
ART 101-80	Freehand Drawing	24
ART 107-80	Arts & Crafts	WDN
ART 115-80	Ceramics	13
BIO 180-89	Human Anatomy and Physiology I	--
BUS 100-80	Intro to Business	25
BUS 100-81	Intro to Business	21
BUS 105-80	Small Business Management	15
BUS 120-80	Business Mathematics	21
BUS 130-80	Principles of Marketing	14
BUS 133-80	Salesmanship	13
BUS 136-80	Business Law	21
BUS 142-80	Intro to Accounting	16
BUS 231-80	Principles of Management	30
BUS 232-80	Personnel Management	WDN
BUS 232-89	Personnel Management	--
CCA 102-89	Child Care Operations I	--
COM 101-80	Composition I	23
COM 102-80	Composition II	21
COM 111-80	Technical Communications I	29
COM 112-80	Technical Communications II	18
DFT 102-89	Drafting Techniques	--
DFT 110-89	Mechanical Detailing	--
DFT 238-89	Drafting Seminar	--
DPR 101-89	Intro to Data Processing	--
DPR 206-89	Intro to Fortran Programming	--
ECO 101-80	Principles of Macro-Economics	29
ECO 101-81	Principles of Marco-Economics	20
HIS 201-80	American History I	16
HUM 100-80	Modern Media	TCC
HUM 100-81	Modern Media	TCC
HUM 101-80	Intro to Humanities I	16
HUM 102-80	Intro to Humanities II	WDN
HUM 103-80	The Contemporary Arts	19

Course	Title	Opening
Spring 1981		
LIT 214-80	American Literature II	23
LIT 221-89	English Literature I	--
LIT 222-89	English Literature II	--
LIT 224-80	World Literature II	WDN
LIT 280-80	Anyone for Tennyson?	40
LIT 299-81	Independent Study in Literature	TCC
LIT 299-82	Independent Study in Literature	TCC
LIT 299-83	Independent Study in Literature	TCC
LIT 299-84	Independent Study in Literature	TCC
MTH 110-80	Fundamentals of Mathematics	10
MTH 110-81	Fundamentals of Mathematics	14
MTH 114-80	Intermediate Algebra	14
MTH 114-81	Intermediate Algebra	7
PHI 101-80	Intro to Philosophy	22
PHI 120-80	World Religions	21
PHS 103-80	Descriptive Astronomy	WDN
PSY 100-81	Human Potentials	18
PSY 101-80	Intro to Psychology	WDN
PSY 101-81	Intro to Psychology	20
PSY 105-80	Human Growth and Development	19
PSY 105-81	Human Growth and Development	WDN
PSY 202-80	Social Psychology	2
PSY 205-80	Abnormal Psychology	WDN
RST 101-89	Real Estate Sales Principles	--
RST 121-89	Real Estate Sales and Brokerage	--
RST 126-89	Real Estate Law	--
SOC 101-80	General Sociology	19
SOC 102-80	Marriage and the Family	WDN
SOC 102-81	Marriage and the Family	WDN
SOC 194-80	The Nation's Health	23
SSC 100-80	Contemporary Society	TCC

NTL History

Baccalaureate/Occupational

Course	Title	Opening
Spring 1981		
SSC 100-81	Contemporary Society	TCC
SUP 201-89	Labor-Management Relations	--
TCH 233-89	Internship	--
TCH 237-89	Seminar	--
TRA 236-89	Transportation Field Experiences	--
TRA 237-89	Seminar	--

Course	Title	Opening
Fall 1981		
ART 101-80	Freehand Drawing	14
ART 107-80	Arts & Crafts	WDN
ART 115-80	Ceramics	11
BUS 100-80	Intro to Business	25
BUS 100-81	Intro to Business	WDN
BUS 105-80	Small Business Management	15
BUS 120-80	Business Mathematics	WDN
BUS 130-80	Principles of Marketing	WDN
BUS 133-80	Salesmanship	23
BUS 136-80	Business Law	28
BUS 142-80	Intro to Accounting	15
BUS 231-80	Principles of Management	23
BUS 232-80	Personnel Management	14
COM 101-80	Composition I	WDN
COM 102-80	Composition II	WDN
COM 111-80	Technical Communications I	23
COM 112-80	Technical Communications II	20
COM 115-80	Intro to Broadcasting	15
ECO 101-80	Principles of Macro-Economics	16
ECO 101-81	Principles of Macro-Economics	17
HIS 197-80	Connections: Technology and Change	WDN
HIS 201-80	American History I	16
HUM 101-80	Intro to Humanities I	27
HUM 102-80	Intro to Humanities II	WDN
HUM 103-80	The Contemporary Arts	WDN
LIT 224-80	World Literature II	WDN
LIT 280-80	Anyone for Tennyson?	WDN
LIT 299-81	Independent Study in Literature	10
LIT 299-82	Independent Study in Literature	10
LIT 299-83	Independent Study in Literature	10
LIT 299-84	Independent Study in Literature	8
MTH 110-80	Fundamentals of Mathematics	WDN
MTH 110-81	Fundamentals of Mathematics	24

Course	Title	Opening
Fall 1981		
MTH 114-80	Intermediate Algebra	WDN
PHI 101-80	Intro to Philosophy	20
PHI 120-80	World Religions	WDN
PHS 105-80	Descriptive Astronomy--Cosmos	24
PSC 110-80	American National Government	WDN
PSC 110-89	American National Government	--
PSY 100-81	Human Potentials	19
PSY 100-82	Human Potentials	19
PSY 100-83	Human Potentials	17
PSY 101-80	Intro to Psychology	WDN
PSY 101-81	Intro to Psychology	25
PSY 105-80	Human Growth and Development	14
PSY 202-80	Social Psychology	WDN
PSY 205-80	Abnormal Psychology	WDN
SOC 101-80	General Sociology	WDN
SOC 102-80	Marriage and the Family	19
SOC 102-81	Marriage and the Family	WDN
TRA 101-89	Intro to Transportation	--

Course	Title	Openina
Spring 1982		
ART 101-80	Freehand Drawing	13
ART 107-80	Arts & Crafts	WDN
ART 115-80	Ceramics	21
AUT 124-89	Automotive Power Transmission	--
BIO 111-89	General Biology I	--
BUS 100-80	Intro to Business	34
BUS 100-81	Intro to Business	16
BUS 100-89	Intro to Business	1 AF(?)
BUS 120-80	Business Mathematics	20
BUS 130-80	Principles of Marketing	32
BUS 133-80	Salesmanship	WDN
BUS 136-80	Business Law	16
BUS 136-89	Business Law	--
BUS 142-80	Intro to Accounting	19
BUS 142-81	Intro to Accounting	19
BUS 230-80	Advertising	16
BUS 231-80	Principles of Management	35
BUS 243-80	Federal Income Taxes	WDN
COM 101-80	Composition I	13
COM 102-80	Composition II	29
COM 111-80	Technical Communications I	26
COM 112-80	Technical Communications II	WDN
COM 112-81	Technical Communications II	46
DPR 233-89	Seminar	--
DPR 237-89	Internship	--
ECO 101-80	Principles of Macro-Economics	WDN
GEL 150-89	Physical Geology	--
GEL 151-89	Historical Geology	--
HIS 101-89	Western Civilization I	--
HIS 102-89	Western Civilization II	--
HIS 197-80	Connections: Technology and Change	12
HIS 202-80	American History II	17
HUM 100-81	Modern Media	2

Course	Title	Opening
Spring 1982		
HUM 100-82	Modern Media	0
HUM 103-80	The Contemporary Arts	12
LIT 299-81	Independent Study in Literature	3
LIT 299-82	Independent Study in Literature	0
LIT 299-83	Independent Study in Literature	0
LIT 299-84	Independent Study in Literature	4
MTH 110-80	Fundamentals of Mathematics	17
MTH 114-86	Intermediate Algebra	18
OFC 105-89	Office Language Skills	1 AF(?)
OFC 131-89	Shorthand I	--
PHI 101-80	Intro to Philosophy	15
PHS 105-80	Descriptive Astronomy-Cosmos	18
PSY 100-81	Human Potentials	20
PSY 100-82	Human Potentials	WDN
PSY 101-80	Intro to Psychology	33
PSY 101-81	Intro to Psychology	WDN
PSY 101-82	Intro to Psychology	13
PSY 105-80	Human Growth and Development	21
PSY 202-80	Social Psychology	WDN
RST 101-89	Real Estate Sales Principles	--
RST 121-89	Real Estate Sales and Brokerage	--
SOC 101-80	General Sociology	11
SOC 102-80	Marriage and the Family	17
SSC 100-80	Contemporary Society	2
SSC 100-81	Contemporary Society	2
SSC 102-80	Social Science II	22

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